BLDR-2024-64263 ✓

# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

## SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PERMIT # OSWP 2024-62327 ✓

PIN # 4730 -- 29 -- 7728 ✓

APPLICANT/OWNER: Soil & Forestry Services LLC ✓ APPLICANT ADDRESS: 126 3rd Creek Rd, Statesville, NC 28677

SITE ADDRESS: 268 Lytton Farm Rd, Troutman, NC 28166 ✓ PHONE: 980-223-2352 ALT. PHONE:

SITE DIRECTIONS: N NC 21 -> L Lytton Farm Rd -> lot on R SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: ~~n/a~~ MOORE ✓ SECTION: n/a LOT # 10 ✓ LOT AREA: 0.562 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.3

Septic Tank 1000 (gal) STB Date
Pump Tank (gal) PT Date
Pump Make Model Serial #
# Nitrification Fields 1 # Lines 4 Linear Ft: 400
Trench Width 36 *Max. Trench Depth(Initial) 30 *Max. Trench Depth(Repair) 30 Gravel Depth n/a
* Measured on the downhill side of the trench Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: 25% Reduction - IIb
Repair System Description: VPPBPS - IIIe
Maintenance Agreement Required: ☐ YES ☑ NO
☑ GRAVITY ☐ PRESSURE
Usable Depth to LC (Initial): 50

☑ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☑ Slab ☐ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing
Usable Depth to LC (Repair): 50 *Limiting Condition*

**Water Supply**
☑ Private
☐ Public
☐ Community

Comments / Conditions: Do not pave, grade, drive, park, or bury utilties in drainfield.

INITIAL SITE SKETCH

Improvement permit issued pursuant to: G.S. 130A-335(a2), (a3) & (a4) using signed & sealed LLS/LG Evaluation attached, from:

Ashley Rollans

LSS# 1231

Construction authorization issued pursuant to: G.S. 130A-335(a2) & (a5)

AOWE# 10027E

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Installed as Shown

*Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system.* **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** ***with plat*** *valid without expiration.* ☑ **IMPROVEMENT PERMIT** ***with site plan*** *valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Online Signature Date:

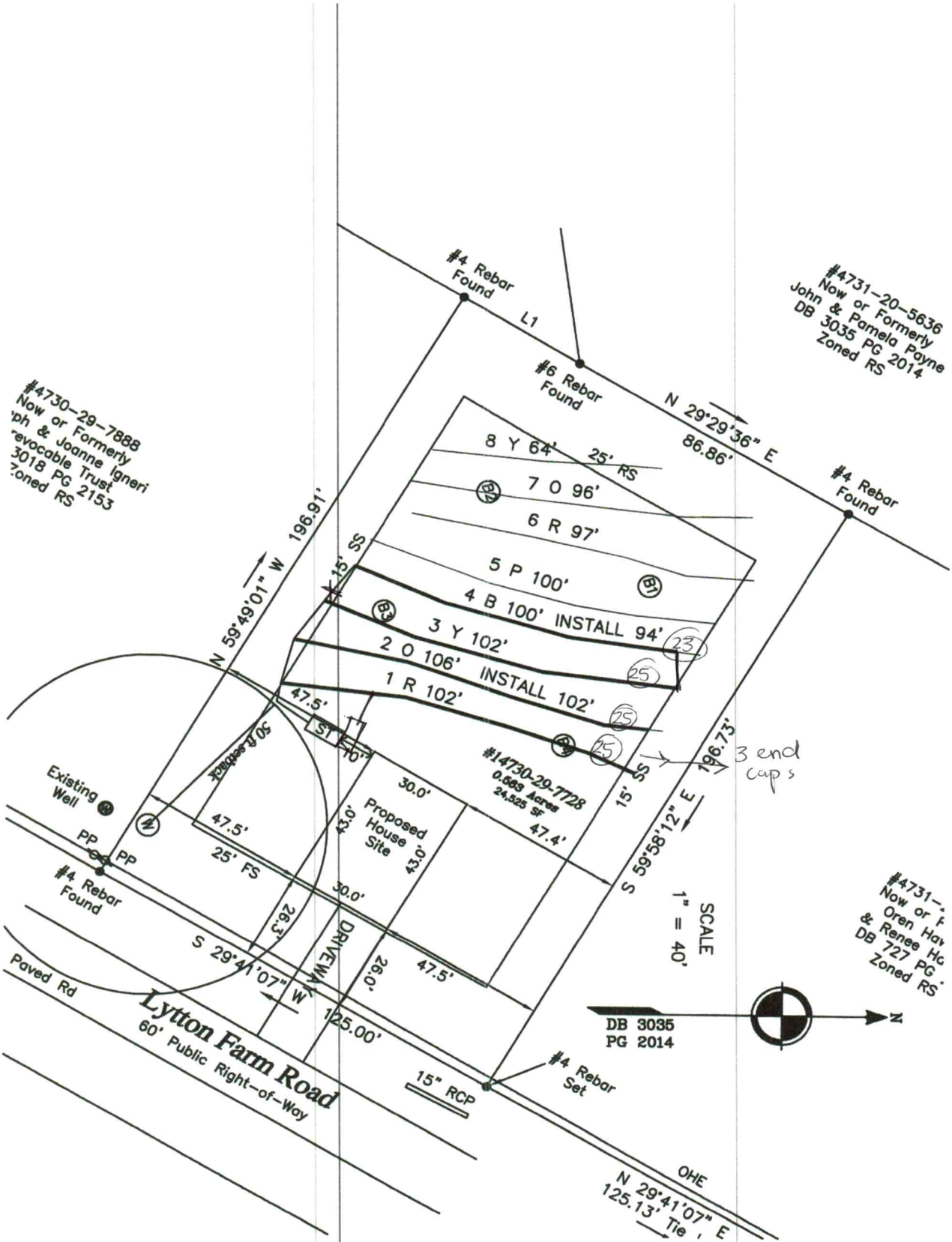
IMPROVEMENT PERMIT by: D. Wieberg ✓ Date: 10/7/24

AUTHORIZATION TO CONSTRUCT by: D. Wieberg ✓ Date: 10/7/24

Installed by: Lentz

OPERATION PERMIT by: Sydney Holland ✓ Date: 11/8/25

Existing System Inspected by: Date:


#4 Rebar Found
L1
#6 Rebar Found
N 29°29'36" E
86.86'
#4 Rebar Found
#4731-20-5636
Now or Formerly
John & Pamela Payne
DB 3035 PG 2014
Zoned RS
#4730-29-7888
Now or Formerly
Joseph & Joanne Igneri
Revocable Trust
DB 3018 PG 2153
Zoned RS
8 Y 64'
25' RS
7 O 96'
6 R 97'
5 P 100'
4 B 100' INSTALL 94'
3 Y 102'
2 O 106' INSTALL 102'
1 R 102'
15' SS
N 59°49'01" W 196.91'
47.5'
ST
10'
50' Setback
#14730-29-7728
0.563 Acres
24,525 SF
30.0'
43.0'
Proposed House Site
43.0'
47.4'
15' SS
196.73'
3 end cups
S 59°58'12" E
Existing Well
PP
PP
47.5'
25' FS
#4 Rebar Found
30.0'
26.3'
DRIVEWAY
26.0'
47.5'
S 29°41'07" W
125.00'
Paved Rd
Lytton Farm Road
60' Public Right-of-Way
15" RCP
#4 Rebar Set
OHE
N 29°41'07" E
125.13' Tie
SCALE
1" = 40'
DB 3035
PG 2014
N
#4731-
Now or F
Oren Hav
& Renee Ha
DB 727 PG
Zoned RS

Permit/File #: OSWP-2024-62327

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

**ROY COOPER** • Governor
**KODY H. KINSLEY** • Secretary
**MARK BENTON** • Deputy Secretary for Health
**SUSAN KANSAGRA** • Assistant Secretary for Public Health
Division of Public Health

Submittal Includes; [X] (a2) Improvement Permit [X] (a2) Construction Authorization [ ] Fee $

## IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Iredell

PIN/Lot Identifier: 4730297728

Issued To: Corner Lot Properties LLC // Corner Lot Properties LLC

Property Location: ~~274 Lytton Farm Rd~~, Troutman NC 268 Lytton Farm

Subdivision (if applicable): N/A Lot#: 10 Block: Section:

LSS Report Provided: Yes [X] No [ ]

If yes, name and license number of LSS: Samuel Ashley Rollans #1231

New [X] Expansion [ ] System Relocation [ ] Change of Use [ ]

Facility Type: Residential

Number of bedrooms: 4 Number of Occupants: 8 Other:

Design Wastewater Strength: [X] Domestic [ ] High Strength [ ] Industrial Process Wastewater

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial): 0.3 Proposed LTAR (Repair): 0.3

Proposed Wastewater System Type*: IIb (ACCEPTED) GRAVITY (Initial) Pump Required: [ ] Yes [X] No [ ] May be required

Proposed Wastewater System Type*: IIIe (VPPBPS 8') GRAVITY (Repair) Pump Required: [ ] Yes [X] No [ ] May be required

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Effluent Standard: [X] DSE [ ] HSE [ ] NSF/ANSI 40 [ ] TS-I [ ] TS-II [ ] RCW

Saprolite System (Initial): [ ] Yes [X] No Saprolite System (Repair): [ ] Yes [X] No

Fill System (Initial): [ ] Yes [X] No If yes, specify: [ ] New [ ] Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair): [ ] Yes [X] No If yes, specify: [ ] New [ ] Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Depth to LC (Initial)*: 50 Usable Depth to LC (Repair)*: 50 ** Limiting Condition*

Max. Trench Depth (Initial)†: 30 Max. Trench Depth (Repair)†: 30 *† Measured on the downhill side of the trench*

Artificial Drainage Required: [ ] Yes [X] No If yes, please specify details:

Type of Water Supply: [X] Private well [ ] Public well [ ] Shared well [ ] Municipal Supply [ ] Spring [ ] Other:

Drainfield location meets requirements of Rule .0508: Yes [X] No [ ] Drainfield location meets requirements of Rule .0601: Yes [X] No [ ]

Permit valid for: [X] Five years [site plan submitted pursuant to GS 130A-334(13a)] [ ] No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

Proposed septic areas are to remain undisturbed (no grading, no utilities installation)

Proposed septic areas should be fenced/protected from disturbance (vehicle traffic, debris, etc...)

See Design for any additional details

Licensed Soil Scientist Print Name: Samuel Ashley Rollans

Licensed Soil Scientist Signature: Samuel A Rollans Date: 10/3/2024

**The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).**

***See attached site sketch***

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES
Division of Public Health

Permit/File #: OSWP-2024-62327

## *This Section for Local Health Department Use Only*

Initial submittal received: 10/3/24 *Date* by DW *Initials*

G.S. 130A-335(a3) states the following:

*When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.*

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

_____

_____

Copies of this were sent to the LSS and the Applicant on _____ *Date*

State Authorized Agent: _____ Date: _____

---

☒ Complete

State Authorized Agent: D. Wieberg Date: 10/7/24

**This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. *This permit is subject to revocation if the site plan, plat, or the intended use changes.* The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.**

**The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).**

**Improvement Permit Expiration Date:** 10/7/29

***See attached site sketch***

Permit/File #: OSWP-2024-62327

## CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County: Iredell — Pre-Construction Conference Required: [ ] Yes [X] No

PIN/Lot Identifier: 4730297728

Issued To: Corner Lot Properties LLC // Corner Lot Properties LLC

Property Location: [redacted], Troutman NC , Lot#10 — 268 Lytton Farm

AOWE/PE Plans/Evaluations Provided: Yes [X] No [ ] — If yes, name and license number of AOWE/PE: Samuel Ashley Rollans #10027E

Facility Type: Residential

Number of bedrooms: 4 — Number of Occupants: 8 — Other:

[X] New [ ] Expansion [ ] Repair [ ] System Relocation [ ] Change of Use

Basement? [ ] Yes [X] No — Basement Fixtures? [ ] Yes [ ] No

Crawl Space? [ ] Yes [X] No — Slab Foundation? [X] Yes [ ] No

Type of Wastewater System* IIb (ACCEPTED) GRAVITY (Initial) — IIIe (VPPBPS 8') GRAVITY (Repair)

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Design Daily Flow: 480 GPD — Wastewater Strength: [X] Domestic [ ] High Strength [ ] Industrial Process WW

Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? [ ] Yes [X] No
*(if yes, please provide engineering documentation)*

Effluent Standard: [X] DSE [ ] HSE [ ] NSF/ANSI 40 [ ] TS-I [ ] TS-II [ ] RCW

Type of Water Supply: [X] Private well [ ] Public well [ ] Shared well [ ] Municipal Supply [ ] Spring [ ] Other:

**Installation Requirements/Conditions**

Septic Tank Size: 1000 gallons — Total Trench/Bed Length: 400 feet — Trench/Bed Spacing: 9 feet on center

Trench/Bed Width: 36 inches — LTAR: 0.3 gpd/ft² — Usable Depth to LC (Initial)*: 50 *Limiting condition

Soil Cover: 18 inches — Slope Adjusted Maximum Trench/Bed Depth‡: 30 inches *‡ Measured on the downhill side of the trench*

Pump Tank Size (if applicable): N/A galllons — Requires more than 1 pump? [ ] Yes [X] No

Pump Requirements: N/A ft. TDH vs. N/A GPM — Grease Trap Size (if applicable): gallons

Distribution Method: [X] Serial [ ] D-Box or Parallel [ ] Pressure manifold(s) [ ] LPP [ ] Other

Artificial Drainage Required: Yes [ ] No [X] — If yes, please specify details:

**Legal Agreements** *(If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)*

Multi-party Agreement Required [.0204(g)]: [ ] Yes [X] No — Declaration of Restrictive Covenants: [ ] Yes [X] No

Easement, Right-of-Way, or Encroachment Agreement Required [.0301(b)]: [ ] Yes [X] No

Management Entity Required: Yes [ ] No [X] — Minimum O&M Requirements:

Permit conditions:

Proposed septic areas are to remain undisturbed (no grading, no utilities installation)

Proposed septic areas should be fenced/protected from disturbance (vehicle traffic, debris, etc...)

See Design for any additional details

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. *This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.* The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

AOWE/PE Print name: Samuel Ashley Rollans — Expiration Date: 10/3/2029

AOWE/PE Signature: [signature] — Date: 10/3/2024

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

***See attached site sketch***

NC ONSITE WASTEWATER EVALUATOR Certification Number 10027E

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES
Division of Public Health

Permit/File #: OSWP-2024-62327

## *This Section for Local Health Department Use Only*

Initial submittal received: 10/3/24 (*Date*) by DW (*Initials*)

G.S. 130A-335(a5) states the following:

*When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.*

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This Construction Authorization is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

_____

Copies of this were sent to the AOWE/PE and the Applicant on _____ (*Date*)

State Authorized Agent: _____ Date: _____

---

■ Complete

State Authorized Agent: D. Wieberg Date of Issuance: 10/7/24

**This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.**

**The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.**

**Construction Authorization Expiration Date:** 10/7/29

***See attached site sketch***

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 24-0061
September 18th, 2024

**Corner Lot Properties LLC**
Attn: *Corner Lot Properties LLC*
Email: marshall@austinbankrealestatecompany.com

**RE: Soil & Site Evaluation for a 4 Bedroom Residence at** 268 Lytton Farm **Rd, 0.56 ac Parcel, Lot #10, PIN# 4730297728, Troutman, NC 28166, Iredell County, NC.**

Corner Lot Properties:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittals to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was mostly wooded. Topography within the evaluated area was gentle slope near the house site with gentle percentage of slope in the proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Piedmont Design & Associates. The Surveyor provided an Autocad File of the survey with the proposed house envelope/detached garage as a basemap. The proposed septic layout was located via GPS which was used to produce the attached *Site Plan*. The house envelope was pinned in the field by the surveyor.

Methodology

We evaluated soil areas through the use of auger borings. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with four boring locations on the property/adjacent parcel flagged and located via GPS. All four auger borings are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18E "Wastewater Treatment and Dispersal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each boring. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by GPS and tape measure. Detailed system & repair information is summarized in the following paragraph for this Lot.

268 Lytton Farm Rd-Lot 10 PIN#4730297728 (*See Attached Design*)

The septic layout for this lot (9' centers) yielded a total of 767 linear feet of line. The primary system is proposed as 400 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth (Low Side) is specified at 30 inches. The repair system is proposed as 267 linear feet of VPPBPS (50% Reduction) drainfield with gravity distribution. Trench depth (Low Side) is specified at 30 inches. There is 363 linear feet available for repair.

Session Law Requirements

All information needed to issue the IP must be submitted with the application. The application shall include all information described in 15A NCAC 18E .0202 and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

*"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."*

Owner

Date

Print Name Marshall Casselman

Signature

10/3/2024

The LSS evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

*"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."*

Disclaimer

This report reflects the findings of S&FS, PA. *This LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2) & (a3). "* Any site modifications that impact the proposed septic areas on the site may nullify this design for 274 Lytton Farm Rd-Lot 10 PIN#4730297728. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,

LICENSED SOIL SCIENTIST SAMUEL A. ROLLANS 1231 STATE OF NORTH CAROLINA

S. Ashley Rollans, LSS

Attachment: *Septic Design, Required Statements for Local Health Department/NCDHHS*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

10/3/2024

Iredell County Environmental Health
Attn: Heath Snow
349 N Center Street
Statesville, NC 28677

Re: Improvement Permit & CA Submittal for 268 Lytton Farm Rd, Troutman NC (Lot #10)

Mr. Snow,

Attached please find sealed soil notes as well as site plans and design related data for a 4 bedroom house ACCEPTED system using GRAVITY distribution.

"The LSS evaluation attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335(a2), (a5) and (a6)."

Owner/Applicant: Corner Lot Properties LLC // Corner Lot Properties LLC

Signature: _____

Date: 10/3/2024

"The LSS Evaluation is being submitted pursuant to and meets requirements of GS 130A-335(a2)." This Improvement Permit is issued pursuant to G.S. 130A-335(a2),(a3), and (a4) using the signed and sealed LSS evaluation attached here". "This AOWE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5)"

"This Construction Authorization is issued pursuant to G.S. 130A-335 (a2), and (a5) and (a6) using the signed and sealed plans or evaluations attached here."

Samuel A. Rollans

Signature: _____

Date: 10/3/2024 Seal:

LICENSED SOIL SCIENTIST
SAMUEL A. ROLLANS
1231
STATE OF NORTH CAROLINA

NC ONSITE WASTEWATER EVALUATOR

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
KODY H. KINSLEY • Secretary
MARK BENTON • Deputy Secretary for Health
SUSAN KANSAGRA • Assistant Secretary for Public Health
Division of Public Health

# Application for Services

This application, in conjunction with the common form established in G.S. 130A-335(a3) and (a5), is optional for local health departments to be used for applications submited in accordance with G.S. 130A-335(a2), (a3), and (a5).
*[hereinafter, G.S. 130A-335(a3) and (a5) permits referred to as (a2) Improvement Permit and (a2) Construction Authorization]*

Applying for:

[X] (a2) Improvement Permit [X] (a2) Construction Authorization [ ] (a2) Repair/Construction Authorization

If applying for a Construction Authorization, please indicate desired system type(s):

[X] Accepted [ ] Conventional [ ] Innovative [ ] Other _____ [ ] Any

[X] New Construction [ ] Expansion [ ] System Relocation [ ] Change of Use [ ] Repair

[X] 5 Year Expiration Requested (site plan provided) [ ] Non-Expiring Permit Requested (plat provided, as defined in G.S. 130A-334(7a)

Requesting DHHS review? (systems >3000 GPD or IPWW) [ ] Yes [X] No

| | |
|---|---|
| Applicant: | Ashley Rollans// Soil & Forestry Services, PA" |
| Mailing Address: | P.O. Box 5872 |
| City: | Statesville |
| State: | North Carolina |
| Zip: | 28687 |
| Phone #: | 980-223-8352 |
| Email: | sfsstatesvillenc@gmail.com |

| | |
|---|---|
| Owner: | Corner Lot Properties LLC // Corner Lot Properties LLC |
| Mailing Address: | P.O. Box 78591 |
| City: | Charlotte |
| State: | North Carolina |
| Zip: | 28271 |
| Phone #: | 704-774-0308 |
| Email: | marshall@austinbankrealestate.com |

If the answer to any of the following questions is "yes", applicant must attach supporting documentation.

| | | |
|---|---|---|
| [ ] Yes | [X] No | Does the site contain any jurisdictional wetlands? |
| [ ] Yes | [X] No | Is any wastewater going to be generated on the site other than domestic sewage? |
| [ ] Yes | [X] No | Is the site subject to approval by any other public agency? |
| [ ] Yes | [X] No | Are there any easements or right of ways on this property? |

I understand that the documentation and fees, as required in G.S. 130A-335(a2), (a3), (a5), and (a6), attached to this application are to be used to issue an Improvement Permit and/or Construction Authorization pursuant to G.S. 130A-335(a2),(a3), and (a5). I understand that authorized county and state officials are granted right of entry to the property indicated on this application to conduct necessary inspections to determine compliance with applicable laws and rules. ***I understand that if the information in the application for an Improvements Permit and/or Construction Authorization is falsified, changed, or the site is altered, then the Improvement Permit and Construction Authorization shall become invalid.***

Applicant Signature: _____ Date: 10/3/2024

Owner's Signature: _____ Date: 10/3/2024

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

-
-
0
, NC
SoilAndForestryServices.com

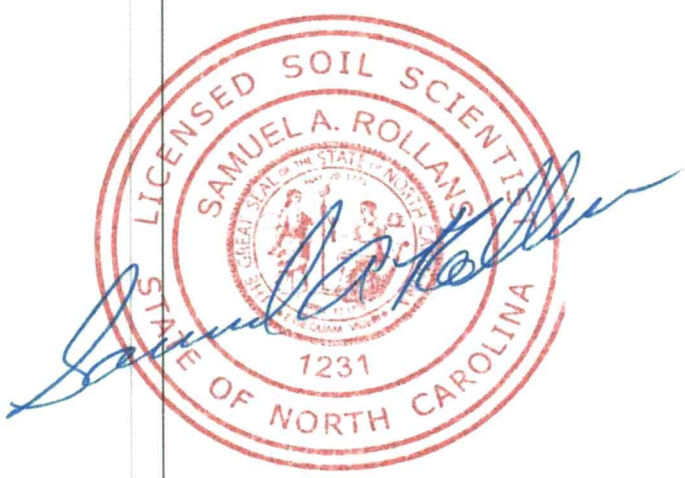
**Project# 24-0061**

**Septic System Design for a 4 bedroom house**
**ACCEPTED using GRAVITY distribution**
**Site location:** 268 Lytton Farm **Rd, Troutman NC , Lot # 10**

**Contents**


| | Page |
|---|---|
| Information for the Installer | 1 |
| Design Specifications | 2 |
| Layout Specifications | 3 |
| Site Plan | 4 |
| Calculations | 5 |
| Soil Descriptions | 6 |
| Floor Plans | 7 |


**Sep 2024**
**Design By: Samuel Rollans**



**INFORMATION FOR THE INSTALLER** **Project #24-0061**

**ACCEPTED using GRAVITY distribution**

**Site location:** 268 Lytton Farm **Rd, Troutman NC , Lot # 10**

* **CALL 811 BEFORE DIGGING**
* The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.
* Tanks shall be approved by DHHS, and certification supplied by the that must be considered along with all other considerations.
* The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
* The supply trench shall be compacted to eliminate cavities left during initial fill placement.
* Installation of the system shall be during dry conditions in order to protect the soil
* All fittings shall be pressure rated fittings.
* All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
* Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
* Trenches shall be carefully excavated so the bottom is within 2" from the highest to the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
* All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
* All tanks shall be properly back filled and compacted to prevent slump at a later date.
* Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
* No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used.
* Elevations at pinflag locations should be checked by the installer prior to beginning
* Septic tank riser shall be a minimum of 6" above finished grade.

* **System specified as ACCEPTED type using GRAVITY distribution**
* **Repair specified as VPPBPS 8' type using GRAVITY distribution**
* **System trench depth specified at 30"**
* **System trenches installed on 9' minimum; 36" wide trenches**
* **Installation does not require a soil cap**

| Page 2 | DESIGN SPECIFICATIONS | Project #24-0061 |
|---|---|---|

**ACCEPTED using GRAVITY distribution**

**Site location:** 268 Lytton Farm **Rd, Troutman NC , Lot # 10**

| | |
|---|---|
| Business (if applicable): | Corner Lot Properties LLC |
| Contact: | Corner Lot Properties LLC |
| Phone: | 704-774-0308 |
| Email: | marshall@austinbankrealestate.com |
| County: | Iredell |
| Location: | 274 Lytton Farm Rd, Troutman NC |
| Source of Wastewater Flow: | 4 bedroom house |
| Estimated Daily Wastewater Production: | 480 gpd |
| Drain field Size: | 400 lf |
| Loading Rate: | 0.3 gpd/ft.$^2$ |
| Trench Depth: | 30 in |
| Trench Width: | 36 in |
| Soil Cap: | 0 in |
| Septic Tank Size: | 1000 gal |

| Page 3 | LAYOUT SPECIFICATIONS | Project #24-0061 |
|---|---|---|

**ACCEPTED using GRAVITY distribution**
**Site location** 268 Lytton Farm **Rd, Troutman NC , Lot # 10**

**Daily Flow (gpd)** 480 **10/3/2024**

| LINE # | FLAG COLOR | BS | HI | FS | ELEV | FLAGGED LENGTH | DESIGN LENGTH | END CAP LENGTH | TOTAL LENGTH |
|---|---|---|---|---|---|---|---|---|---|
| TBM INSTR. 1 | | 0.0 | 0.0 | | | | | | |
| | | | **SYSTEM** | | | | | | |
| 1 | Red | | | | | 102 | 102 | 2 | 102 |
| 2 | Orange | | | | | 106 | 102 | 2 | 102 |
| 3 | Yellow | | | | | 102 | 102 | 2 | 102 |
| 4 | Blue | | | | | 100 | 94 | 2 | 94 |
| | | | **REPAIR** | | | | | | |
| 5 | Pink | | | | | 100 | 100 | 0 | 100 |
| 6 | Red | | | | | 97 | 97 | 0 | 97 |
| 7 | Orange | | | | | 96 | 96 | 0 | 96 |
| 8 | Yellow | | | | | 64 | 64 | 0 | 64 |

| | LINE LENGTH | LTAR GPD/FT$^2$ | SYSTEM TYPE | REDUCTION TYPE | DIST | TRENCH DEPTH | SOIL CAP |
|---|---|---|---|---|---|---|---|
| SYSTEM | 400 | 0.300 | ACCEPTED | 25% | GRAVITY | 30 | 0 |
| REPAIR | 363 | 0.300 | VPPBPS 8' | 50% | GRAVITY | 30 | 0 |

**Notes:**
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS and FS indicate rod readings

**SYSTEM FLOW** **Project #24-0061**

**ACCEPTED using GRAVITY distribution**

**Site location:** 268 Lytton Farm **Rd, Troutman NC , Lot # 10**

| Line # | Color | Elevation | Length | Hole Size | Flow/hole | Trench Area |
|---|---|---|---|---|---|---|
| 1 | Red | 0.0 | 102 | N/A | N/A | 306 |
| 2 | Orange | 0.0 | 102 | N/A | N/A | 306 |
| 3 | Yellow | 0.0 | 102 | N/A | N/A | 306 |
| 4 | Blue | 0.0 | 94 | N/A | N/A | 282 |

**total** **feet =** **400** **gal/min =** **N/A**

| | |
|---|---|
| **Design Flow** | **480** |
| **Soil LTAR** | **0.3** |
| **Accepted LTAR** | **0.4** |

| CALCULATIONS | Project #24-0061 |
|---|---|
| **ACCEPTED using GRAVITY distribution** | |
| **Site location:** 268 Lytton Farm **Rd, Troutman NC , Lot # 10** | |

| | | |
|---|---|---|
| PROJECT INFO | Designer | Samuel Rollans |
| | Project # | 24-0061 |
| | Project MM YYYY | 10/3/2024 |
| | County | Iredell |
| | Project Location | 274 Lytton Farm Rd, Troutman NC |
| | Lot # (if applicable) | 10 |
| | Subdivision (if applicable) | N/A |
| | Parcel # | 4730297728 |
| | Lot size (acres) | 0.56 |
| | Easement(s) on parcel? | No |
| | Business (if applicable) | Corner Lot Properties LLC |
| | Current Owner (for AA) | Corner Lot Properties LLC |
| | Electronic Signature OK? | N/A |
| | Name | Corner Lot Properties LLC |
| | Mailing Address | P.O. Box 78591 |
| | City | Charlotte |
| | State | North Carolina |
| | Zip | 28271 |
| | Phone | 704-774-0308 |
| | Email | marshall@austinbankrealestate.com |
| | Facility Type | Residential |
| | Facility | House |
| | Bedroom | 4 |
| | Water Source | Private Well |
| | Foundation Type | Slab |
| | Daily Flow (gallons) | 480 |
| SYSTEM | System LTAR | 0.3 |
| | System Type | ACCEPTED |
| | System Distribution | GRAVITY |
| | System Trench Center Distance (feet) | 9 |
| | System Trench Width (inches) | 36 |
| | System Trench Depth (inches) | 30 |
| | Soil Cap (inches) | 0 |
| | Usable Soil Depth (inches) | 50 |
| | Media Height (inches) | 12 |
| | Tank Size (gallons) | 1000 |
| | Required Feet of Line (system) | 400 |
| | Designed Feet of Line (system) | 400 |
| | Saprolite system? | No |
| REPAIR | Repair LTAR | 0.3 |
| | Repair Type | VPPBPS 8' |
| | Repair Distribution | GRAVITY |
| | Repair Trench Center Distance (feet) | 8 |
| | Repair Trench Width (inches) | 24 |
| | Repair Trench Depth (inches) | 30 |
| | Soil Cap (inches) | 0 |
| | Usable Soil Depth (inches) | 50 |
| | Tank Size (gallons) | 1000 |
| | Required Feet of Line (repair) | 267 |
| | Designed Feet of Line (repair) | 363 |
| | Saprolite system? | No |

Sheet 1 of 1

PROPERTY ID #: 4730297728
COUNTY: Iredell

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM (complete all fields in full)

268 Lytton Farm

OWNER: Corner Lot Properties LLC
ADDRESS: P.O. Box 78591, Charlotte NC 28271
PROPOSED FACILITY & Design Flow(.0400): 4 Bedroom Residential Home- 480 GPD
LOCATION OF SITE: 274 Lytton Farm Rd Troutman NC 28166

DATE EVALUATED: 6/11/2024
PROPERTY SIZE: 0.562
PROPERTY RECORDED: Yes
Water supply setback: 50 Feet

WATER SUPPLY: ☐ Public ☑ Single Family Well ☐ Shared Well ☐ Spring ☐ Other

EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☑ Domestic ☐ High Strength ☐ IPWW

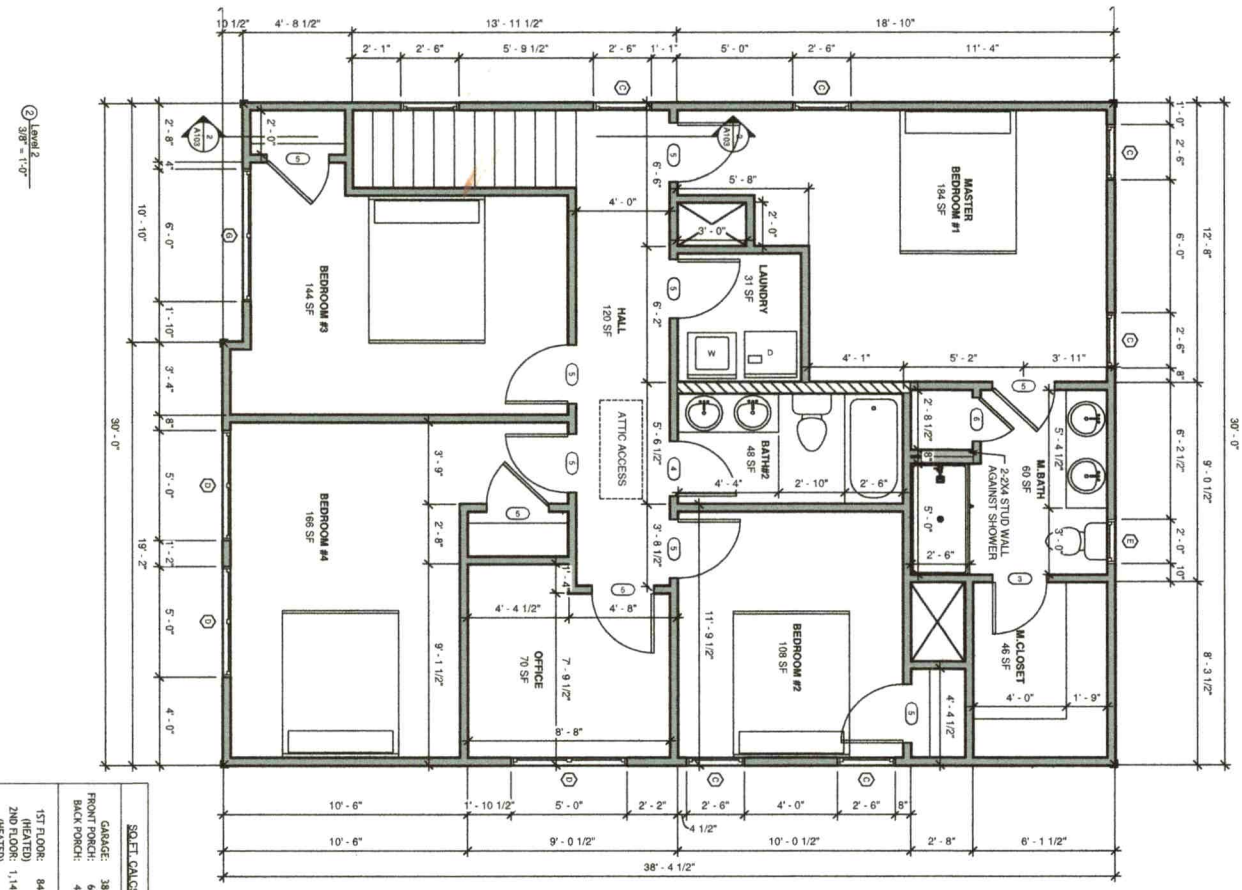
| PROFILE # | .0502 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .0503 STRUCTURE/ TEXTURE | .0503 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR | .0505 SOIL DEPTH | .0506 SAPR CLASS | .0507 RESTR HORIZ | .0509 PROFILE CLASS & LTAR | .0502(d) SLOPE CORRECTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | L/6% | 0-7 | BCL WFSBK | FR SS SP | | | | | | |
| | | 7-30 | RC WMSBK | FR SS SP | | | | | | |
| | | 30-50 | BRCL WFSBK | FR SS SP | fsap | 50 | | | S 0.3-0.325 | 1.44" |
| 2 | L/7% | 0-10 | BSCL WFSBK | FR SS SP | | | | | | |
| | | 10-50 | RC WMSBK/ABK | FR SS SP | | 50 | | | S 0.3 | 1.68" |
| 3 | L/6% | 0-7 | BSLGR | FR SS SP | | | | | | |
| | | 7-45 | RC WMSBK/ABK | FR SS SP | fqtz | | | | | |
| | | 45-50 | BRCL WFSBK | FR SS SP | fsap | 50 | | | S 0.3 | 2.16" |
| 4 | L/7% | 0-9 | BSLGR | FR SS SP | | | | | | |
| | | 9-30 | RC WMSBK | FR SS SP | | | | | | |
| | | 30-50 | RBCL WFSBK | FR SS SP | fsap | 50 | | | S 0.3-0.325 | 2.52" |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

LICENSED SOIL SCIENTIST SAMUEL A. ROLLANS 1231 STATE OF NORTH CAROLINA

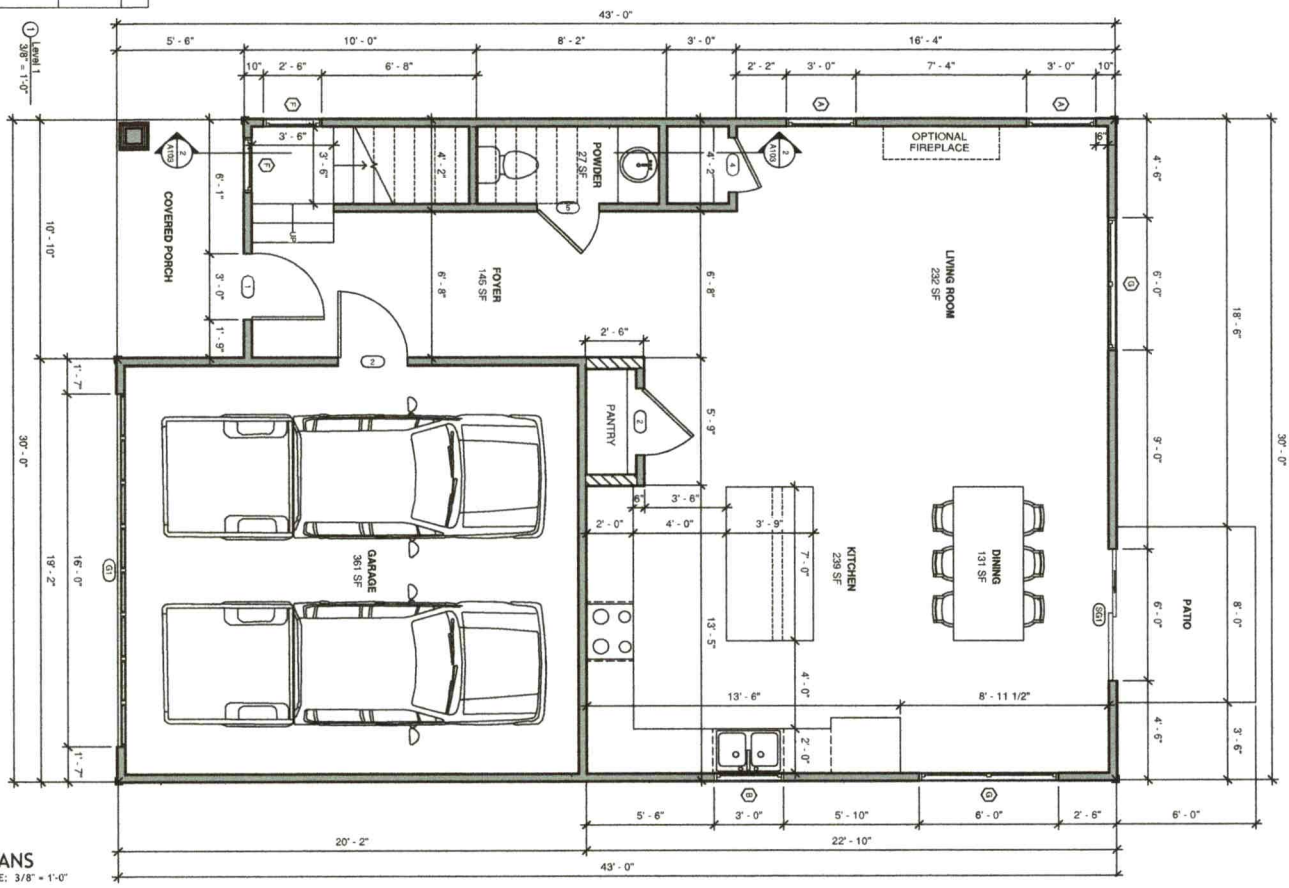
| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.508) | Suitable | Suitable |
| System Types(s) | Accepted 25%-Gravity | VBPBPS- Gravity |
| Site LTAR | 0.3 | 0.3 |
| Maximum Trench Depth | 30" | 30" |

SITE CLASSIFICATION (.509): Suitable
EVALUATED BY: Ashley Rollans
OTHER(S) PRESENT: Chad Wagner

COMMENTS:




| SQ.FT. CALCS: | |
|---|---|
| GARAGE: | 386 SQ.FT. |
| FRONT PORCH: | 60 SQ.FT. |
| BACK PORCH: | 48 SQ.FT. |
| 1ST FLOOR: (HEATED) | 844 SQ.FT. |
| 2ND FLOOR: (HEATED) | 1,141 SQ.FT. |
| TOTAL HEATED: | 1,985 SQ.FT. |




PLANS
SCALE: 3/8" = 1'-0"

SHEET A101

| ISSUE | DATE |
|---|---|
| REVIEW SET | 02/27/24 |

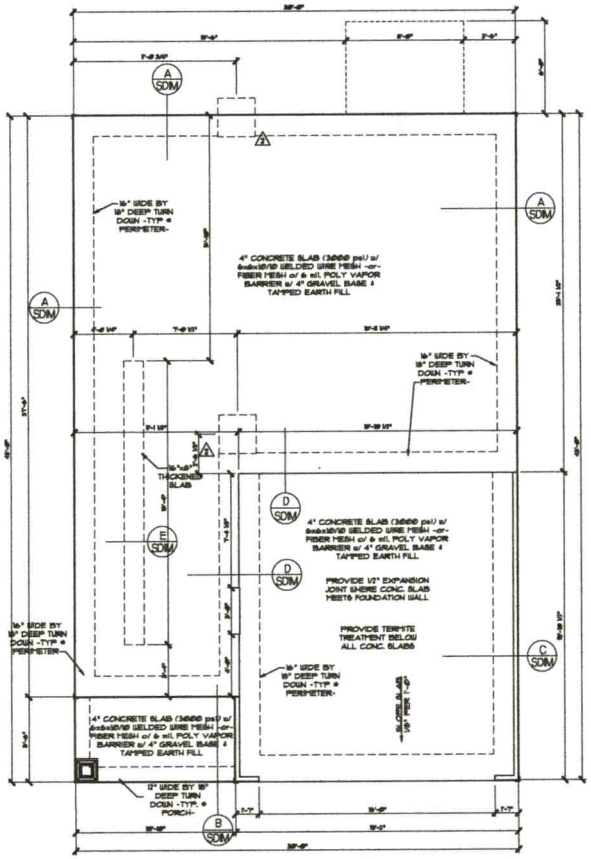
| REVISION | DATE |
|---|---|

# SENECA

2-CAR GARAGE

DESIGN DRAWINGS COMPLETED BY:
CODY GATLIN DESIGN, IN
IRON STATION, NC
CODYGATLIN@GMAIL.COM

SLATE BUILDING GROUP




| FOOTING KEY | |
|---|---|
| 1 | 24"x24"x8" CONC. FTG. |
| 2 | 36"x36"x10" CONC. FTG. w/ #4 REBAR @ 6" O.C. E.W. |
| 3 | 36"x36"x12" CONC. FTG. w/ #4 REBAR @ 6" O.C. E.W. |
| 4 | 42"x42"x12" CONC. FTG. w/ #5 REBAR @ 6" O.C. E.W. |
| 5 | 48"x48"x12" CONC. FTG. w/ #5 REBAR @ 6" O.C. E.W. |

SEAL FO
NC Certi

PROJECT:

DRAWN BY:

DATE:

REVISIONS: